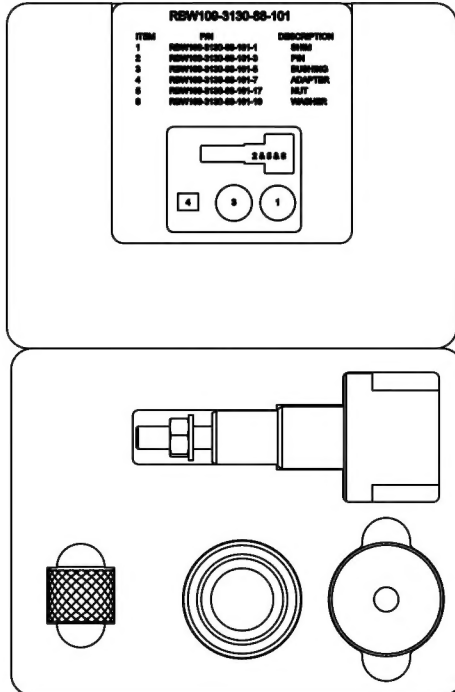
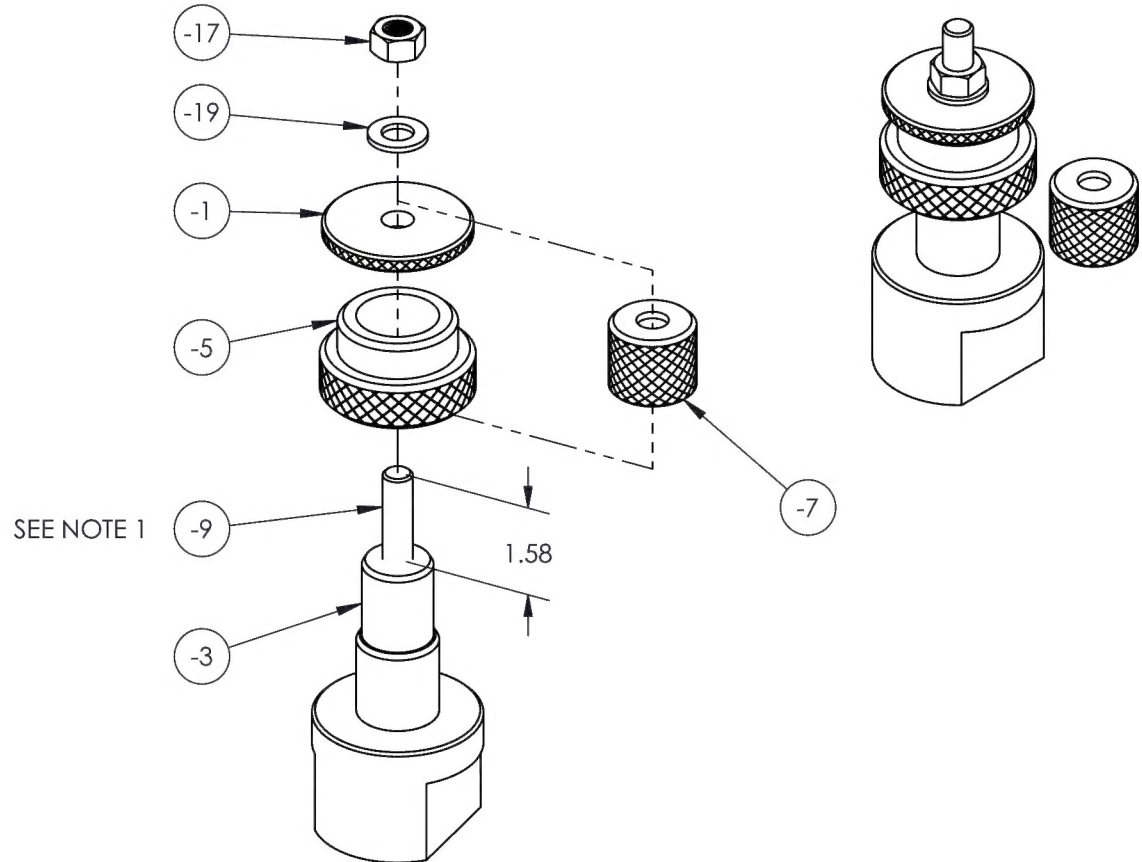


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
A	SHT 8 CORRECTED LAYOUT #5, 3 WAS 5, 2 & 5 & 6 WAS 1 & 5 & 6.	11/30/2012	JAG	
1A	-11 DIM WAS 9.19 IS 9.41. -13 DIM WAS 7.12 IS 7.19. CHANGED PLACARD CUTOUT DEPTH WAS .06 IS .125.	1/3/2013	BIM	SE



SEE NOTE 1

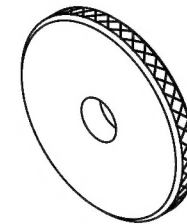
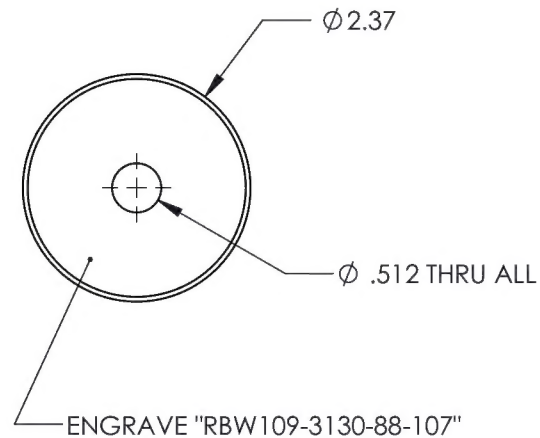
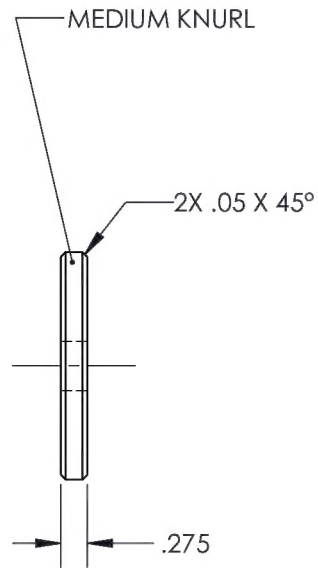
NOTE:  
USE PERMANENT THREAD LOCKER ON -9 STUD.

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	1	SHIM	4140 Q & T	Ø2-1/2 X 3/8	2
			-3	1	PIN	4140 Q & T	Ø2-3/4 X 4-7/8	3
			-5	1	BUSHING	4140 Q & T	Ø2-5/8 X 1-1/2	4
			-7	1	ADAPTER	4140 Q & T	Ø1-3/8 X 1-5/16	5
		B/O	-9	1	STUD	STEEL	M12 X 1.75 X 60mm MCMaster-CARR #93675A370	1
			-11	1	BOTTOM TOOL CUSHION	Y-20, BLACK	9.19 X 7.23 X 2.93	6
			-13	1	TOP TOOL CUSHION	C200 BLACK, FLAT	7.12 X 9.37 X 1.19	7
			-15	1	PLACARD	ALUMINUM	1/16 X 5 X 5	8
		B/O	-17	1	NUT	STEEL	M12 X 1.75 MCMaster-CARR #92497A500	1
		B/O	-19	1	WASHER	STEEL	M12 MCMaster-CARR #91166A290	1
		B/O	-21	1	CASE	PLASTIC	PELICAN APP-1200-E	NS

		RED BARN MACHINE	
TITLE		T/R HUB TRUNNION CENTERING	
DWG NO.		RBW109-3130-88-101	
REV		1A	
MAT'L		DRAWN BY: GILBERT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVED <i>D Weil</i>	
.XXX ± .005		HEAT TREAT	
.XX ± .01		FINISH	
.X ± .1		SPEC	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		USED ON MODEL	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		AW119	
SCALE 1:3		DATE 1/31/2012	
		SHEET 1 OF 8	


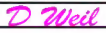
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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
			APPROVED



(-1)

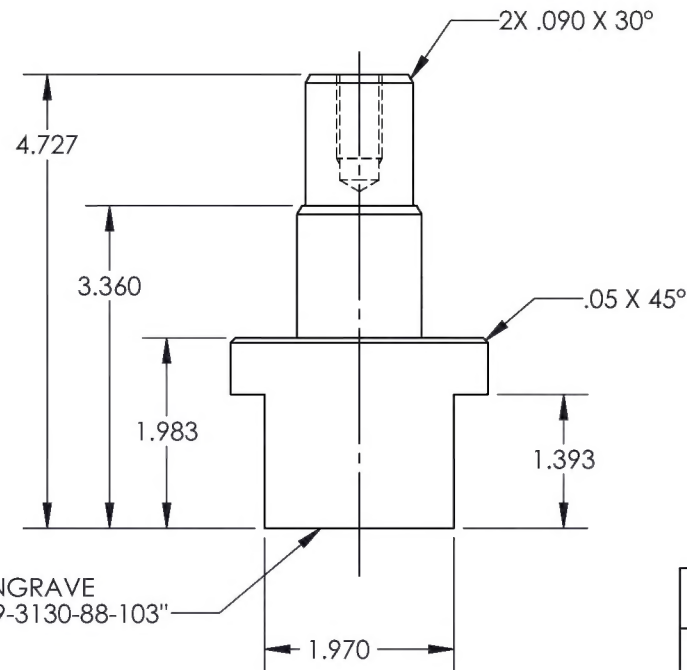
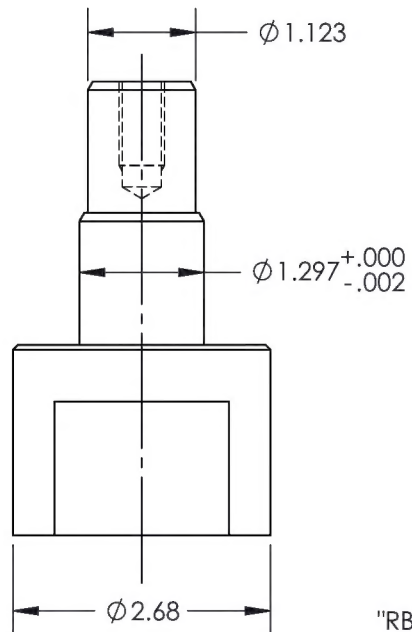
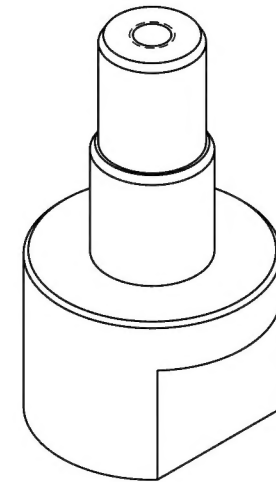
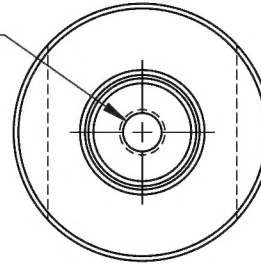
SHIM

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> <b>T/R HUB TRUNNION CENTERING</b>	
<b>DWG NO.</b> RBW109-3130-88-101-1	<b>REV</b> <b>1A</b>
<b>MAT'L</b> 4140 Q & T	<b>DRAWN BY:</b> GILBERT
<b>UNLESS OTHERWISE SPECIFIED</b> <b>DIMENSIONS ARE IN INCHES</b> .XXX ± .005      FRACTIONS ± 1/32 .XX ± .01      ANGLES ± 5° .X ± .1	<b>APPROVED</b> 
<b>1. BREAK ALL SHARP EDGES .015 x 45°</b> <b>OR .015R</b> <b>2. DIMENSIONAL LIMITS APPLY AFTER</b> <b>PLATING</b>	<b>HEAT TREAT</b> CAD PLATE YELLOW <b>SPEC</b> QQ-P-416F, TYPE II, CLASS II <b>USED ON MODEL</b> AW119
<b>SCALE</b> 1:2	<b>DATE</b> 1/31/2012
<b>SHEET 2 OF 8</b>	

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL

M12X1.75 - 6H  $\nabla$  .875



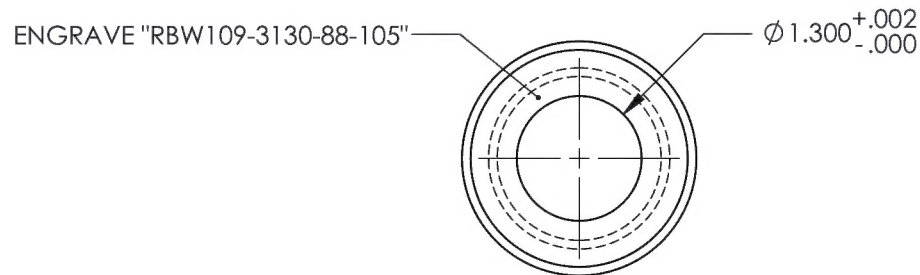
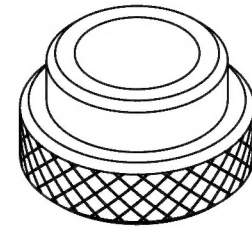
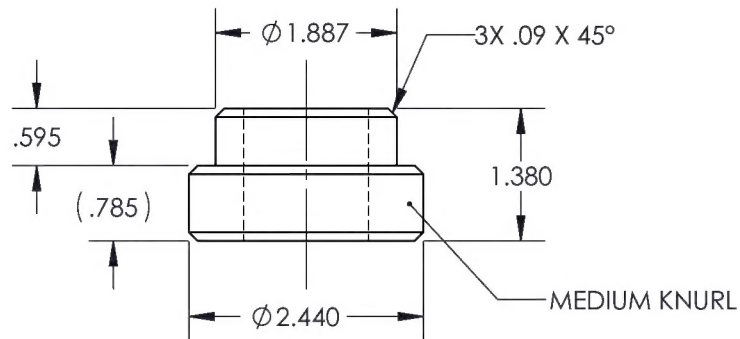
ENGRAVE  
"RBW109-3130-88-103"

(-3)  
PIN

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> <b>T/R HUB TRUNNION CENTERING</b>	
<b>DWG NO.</b> RBW109-3130-88-101-3	<b>REV</b> <b>1A</b>
<b>MAT'L</b> 4140 Q & T	<b>DRAWN BY:</b> GILBERT
<b>UNLESS OTHERWISE SPECIFIED</b> <b>DIMENSIONS ARE IN INCHES</b>	<b>APPROVED</b> <i>D Weil</i>
.XXX $\pm$ .005 .XX $\pm$ .01 .X $\pm$ .1	<b>HEAT TREAT</b> CAD PLATE YELLOW
FRACTIONS $\pm$ 1/32 ANGLES $\pm$ 5°	<b>SPEC</b> QQ-P-416F, TYPE II, CLASS II
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>USED ON MODEL</b> AW119
<b>SCALE</b> 1:2	<b>DATE</b> 1/31/2012
<b>SHEET 3 OF 8</b>	

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL



(-5)

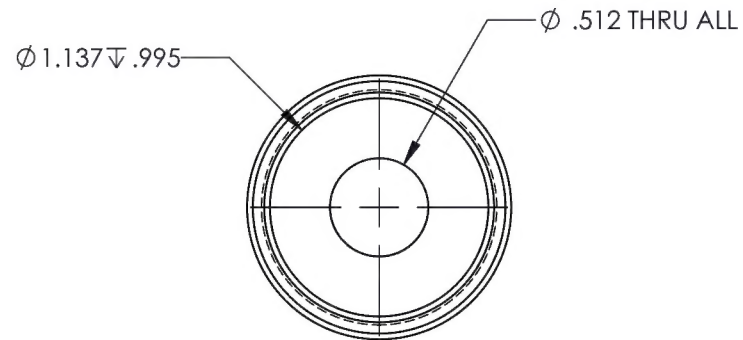
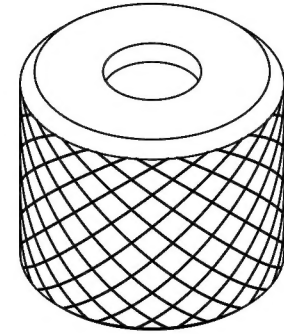
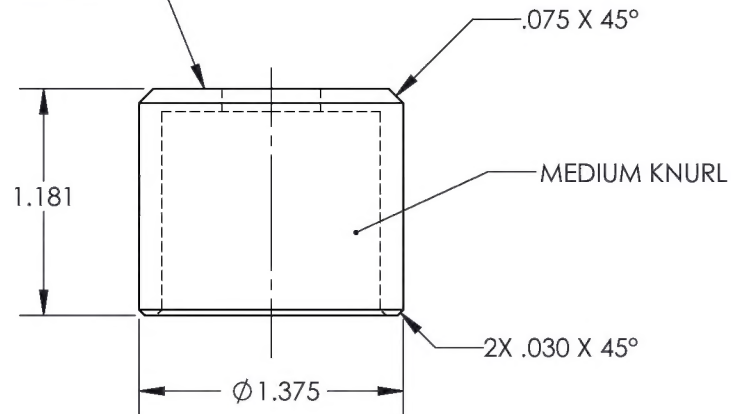
BUSHING

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> <b>T/R HUB TRUNNION CENTERING</b>	
<b>DWG NO.</b> RBW109-3130-88-101-5	<b>REV</b> <b>1A</b>
<b>MAT'L</b> 4140 Q & T	<b>DRAWN BY:</b> GILBERT
<b>UNLESS OTHERWISE SPECIFIED</b> <b>DIMENSIONS ARE IN INCHES</b> .XXX $\pm$ .005 .XX $\pm$ .01 .X $\pm$ .1 FRACTIONS $\pm$ 1/32 ANGLES $\pm$ 5°	<b>APPROVED</b>  <b>HEAT TREAT</b> CAD PLATE YELLOW <b>SPEC</b> QQ-P-416F, TYPE II, CLASS II USED ON MODEL
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
<b>SCALE</b> 1:2	<b>DATE</b> 1/31/2012
<b>SHEET 4 OF 8</b>	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED

ENGRAVE "RBW109-3130-88-109"

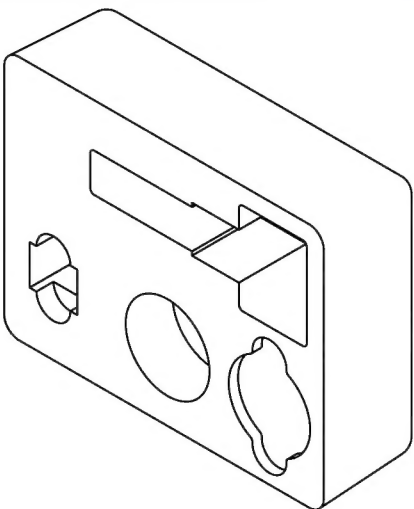


(-7)

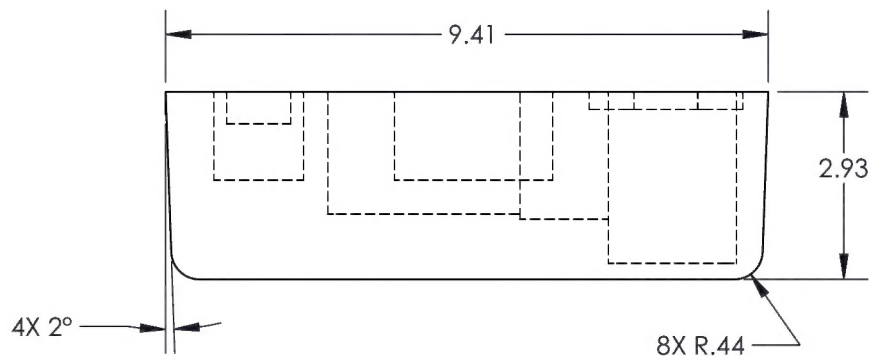
ADAPTER


 <b>RED BARN MACHINE</b>	
<b>TITLE</b> <b>T/R HUB TRUNNION CENTERING</b>	
<b>DWG NO.</b> RBW109-3130-88-101-7	<b>REV</b> <b>1A</b>
<b>MAT'L</b> 4140 Q & T	<b>DRAWN BY:</b> GILBERT
<b>UNLESS OTHERWISE SPECIFIED</b> <b>DIMENSIONS ARE IN INCHES</b> .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	<b>APPROVED</b>  <b>HEAT TREAT</b> CAD PLATE YELLOW <b>SPEC</b> QQ-P-416F, TYPE II, CLASS II
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>USED ON MODEL</b> AW119
<b>SCALE</b> 1:2	<b>DATE</b> 1/31/2012
<b>SHEET 5 OF 8</b>	

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1A	DIM WAS 9.19 IS 9.41	1/3/2013	BIM	SE



## BOTTOM TOOL CUSHION

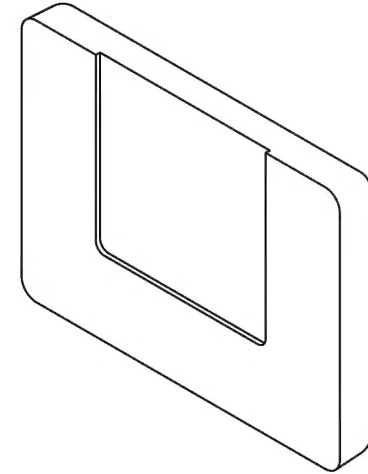
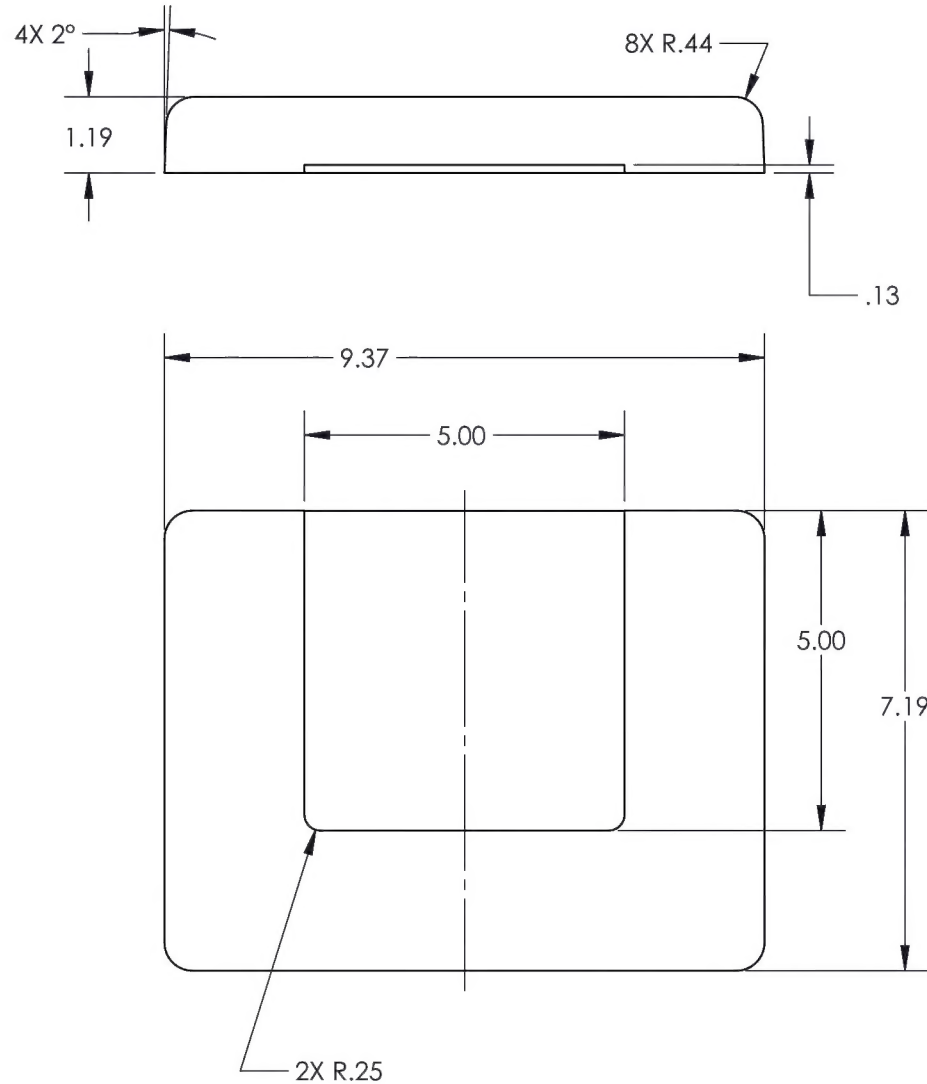


		<h1>RED BARN MACHINE</h1>	
TITLE <h2>T/R HUB TRUNNION CENTERING</h2>			
DWG NO. <h3>RBW109-3130-88-101-11</h3>		REV <h3>1A</h3>	
MAT'L <h3>Y-20, BLACK</h3>		DRAWN BY: <h3>GILBERT</h3>	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVED <i>D Weil</i>	
.XXX ± .005      FRACTIONS 1/32 .XX ± .01      ANGLES ± 5° .X ± .1		HEAT TREAT FINISH	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING		SPEC  USED ON MODEL <h3>AW119</h3>	
SCALE <h3>1:3</h3>	DATE <h3>1/31/2012</h3>	SHEET 6 OF 8	

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# REVISIONS

REV	DESCRIPTION	DATE	INITIAL	APPROVED
1A	DIM WAS 7.12 IS 7.19, CHANGED PLACARD CUTOUT DEPTH WAS .06 IS .125	1/3/2013	BIM	JG



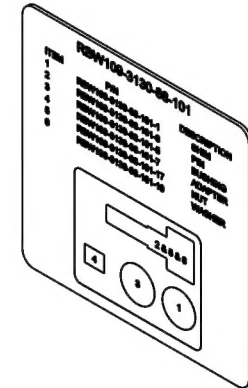
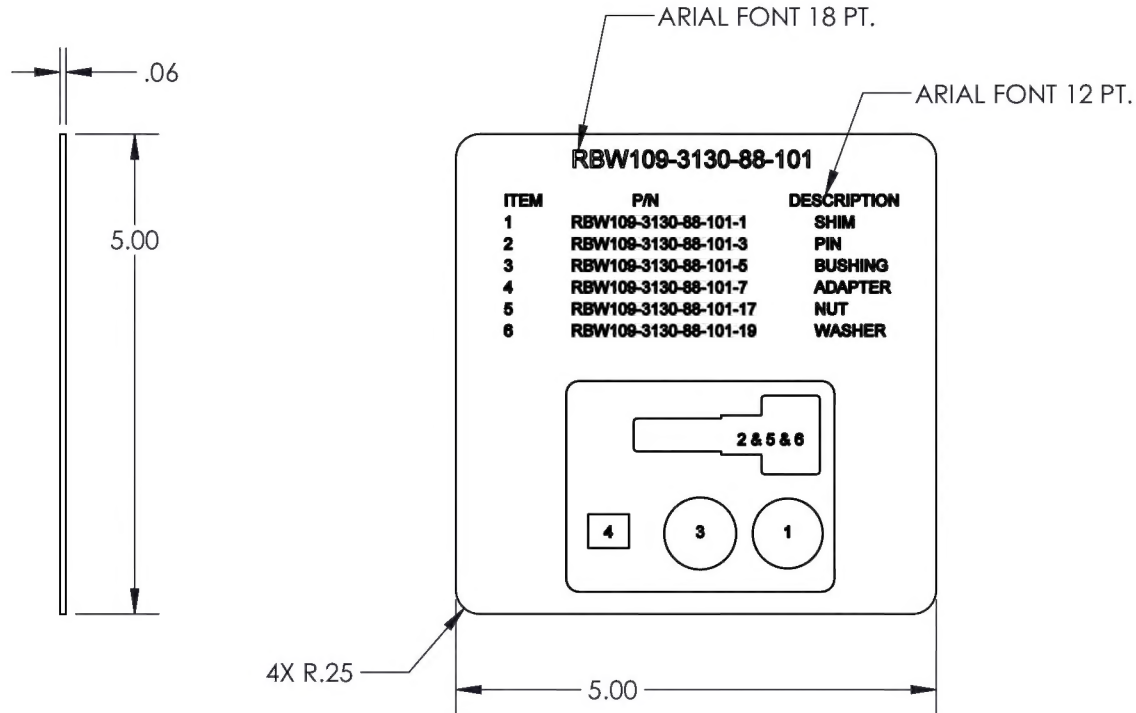
-13

TOP TOOL CUSHION

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> <b>T/R HUB TRUNNION CENTERING</b>	
<b>DWG NO.</b> <b>RBW109-3130-88-101-13</b>	<b>REV</b> <b>1A</b>
<b>MAT'L</b> C200 BLACK, FLAT	<b>DRAWN BY:</b> GILBERT
<b>UNLESS OTHERWISE SPECIFIED</b> <b>DIMENSIONS ARE IN INCHES</b> .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	<b>APPROVED</b>  <b>HEAT TREAT</b> <b>FINISH</b> <b>SPEC</b>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>USED ON MODEL</b> <b>AW119</b>
<b>SCALE</b> 1:3	<b>DATE</b> 1/31/2012
<b>SHEET 7 OF 8</b>	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
A	CORRECTED LAYOUT #S, 3 WAS 5, 2 & 5 & 6 WAS 1 & 5 & 6.	11/30/2012	JAG	SE



(-15)

PLACARD

<b>RED BARN MACHINE</b>	
<b>TITLE</b> <b>T/R HUB TRUNNION CENTERING</b>	
<b>DWG NO.</b> RBW109-3130-88-101-15	<b>REV</b> <b>1A</b>
<b>MAT'L</b> ALUMINUM	<b>DRAWN BY:</b> GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 .XX ± .01 .X ± .1	<b>APPROVED</b> 
FRACTIONS ± 1/32 ANGLES ± 5°	<b>HEAT TREAT</b> <b>FINISH</b>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>SPEC</b> USED ON MODEL AW119
<b>SCALE</b> 1:2	<b>DATE</b> 1/31/2012
<b>SHEET 8 OF 8</b>	